

FORM PTO-1309  
(REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER  
128515

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EQ/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
10/584,133

INTERNATIONAL APPLICATION NO.  
PCT/JP2004/019225

INTERNATIONAL FILING DATE  
December 22, 2004

PRIORITY DATE CLAIMED  
December 26, 2003

TITLE OF INVENTION  
COMPOSITION FOR FORMING NITRIDE COATING FILM FOR HARD MASK

APPLICANTS FOR DO/EQ/US  
Satoshi TAKEI et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EQ/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  - c. ☐ The International Application was filed in English.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 10/584,133		INTERNATIONAL APPLICATION NO. PCT/JP2004/019225		ATTORNEY'S DOCKET NUMBER 128515	
21. <input type="checkbox"/> The following fees are submitted:				<b>CALCULATIONS      PTO USE ONLY</b>	
BASIC NATIONAL FEE (37 CFR 1.492(a)):				\$ 300.00	\$
SEARCH FEE (37 CFR 1.492(b)(1)-(3)):					\$
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase				\$ 0.00	
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA				\$ 100.00	
International search report provided to USPTO no later than the time at which the search fee is paid				\$ 400.00	
All situations not provided for above				\$ 500.00	
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):					\$
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national phase				\$ 0.00	
All situations not provided for above				\$ 200.00	
Surcharge of \$130.00 for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national phase (37 CFR 1.492(h)).					\$
APPLICATION SIZE FEE					\$
Total pages	- 100 =	+ 50	= †	x 250 =	
†round up to next integer					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
TOTAL CLAIMS	- 20	=	x 50.00 =	\$	
INDEPENDENT CLAIMS	- 3	=	x 200.00 =	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360.00 =	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$	
				Amount to be refunded:	\$
				charged:	\$
<p>a. <input type="checkbox"/> Check No. _____ in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.437(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p><b>SEND ALL CORRESPONDENCE TO:</b> OLIFF &amp; BERRIDGE, PLC Customer Number: 25944</p>					
				<p>NAME: James A. Oliff REGISTRATION NUMBER: 27,075</p>	
				<p>NAME: Scott M. Schulte REGISTRATION NUMBER: 44,325</p>	
Date <u>August 23, 2006</u>					

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Satoshi TAKEI et al.

Application No.: 10/584,133

Filed: June 23, 2006

Docket No.: 128515

For: COMPOSITION FOR FORMING NITRIDE COATING FILM FOR HARD MASK

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

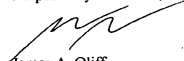
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of one or more non-English language reference is discussed in the present specification. See References 3-5.
- ☒ 3. One or more reference cited herein was cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information. See References 1 and 2.
- ☒ 4. An English language Abstract of one or more non-English language reference is attached hereto. See References 1-5.

- ☒ 5. A computer-generated English language translation of one or more Japanese Patent Publication cited herein has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See References 2-5.
- ☒ 6. A partial computer-generated English language translation of one or more Japanese Patent Publication cited herein has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See References 1.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

Scott M. Schulte  
Registration No. 44,325

JAO:SMS/emt

Date: August 23, 2006

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DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
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Form PTO-1449 (REV. 1/06)	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 128515	APPLICATION NO. 10/584,133
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		APPLICANTS Satoshi TAKEI et al.	
		FILING DATE June 23, 2006	

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	Document Number	Date	Name

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation
/DN/	1	JP A 2003-312159	11/06/2003	Japan	X	X
	2	JP A 2003-209046	07/25/2003	Japan	X	X
	3	JP A 2001-53068	02/23/2001	Japan	X	X
	4	JP A 2001-242630	09/07/2001	Japan	X	X
/DN/	5	JP A 2003-177206	06/27/2003	Japan	X	X

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, etc.)
Examiner Initials	Cite No.	

EXAMINER /David Nhu/	DATE CONSIDERED 08/10/2009
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.